

Application No.: 09/745,751
Amendment Rule 111 dated September 29, 2005
Reply to Office Action dated June 29, 2005
Attorney Docket No.: 3486-018

EXHIBIT H

Adam S. LANDSMAN, DPM, PhD



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 09/745,751 Confirmation No.: 1104
Applicant : HOCHMAN, Mark N.
Filed : December 21, 2000
TC/A.U. : 3763
Examiner : HAYES, Michael J.

Docket No. : 3486-018
Customer No. :

22440
p;

DECLARATION UNDER 37CFR 1.132

I, Adam Landsman, DPM, hereby make the

following declaration in support of the above-named application:

1. I reside at 2100 N. Lincoln Park West, # 7AN
Chicago, IL 60614

2. I am a licensed podiatric surgeon and I have been practicing podiatric medicine for 13 years.

3. I have written and published many articles in the field of podiatric medicine, including articles related to foot surgery. I have also reviewed many articles in this field and I am frequent lecturer, having made presentations all over the world.

4. A copy of current Curriculum Vitae is attached providing more details of my background and expertise in the field of dentistry.

5. One problem in the field of podiatric medicine and more particularly, during the injection of an anesthetic into a living tissue prior to performing podiatric procedures pertains to needle bending. As a needle is introduced through tissues to a preselected site for delivering an anesthetic, it frequently bends. This action causes discomfort in the patient and pain. In many instances, a patient either stiffens up, or, worse, tries to move involuntarily away from the needle, or close his mouth, thereby causing even more discomfort.

6. Recently, Dr. Mark Hochman disclosed to me his invention, that solves the problem of needle bending. More specifically, Dr. Hochman has disclosed to me:

a method of injecting a drug into a patient through a needle having a lumen comprising the steps of:

advancing said needle into the tissue linearly along a longitudinal axis of the needle;

simultaneously rotating the needle along its longitudinal axis to reduce deflection of the needle; and

injecting the drug.

7. Initially, I had some doubts that this procedure would work. However, I have tried this technique at least 300 times on patients

and I found that it is very effective in reducing needle bending and, subsequently, in reducing or eliminating patient discomfort and pain.

8. I found that for the procedure was effective as long as I kept the needle rotating to change the orientation of the bevel of the needle in somewhat continuous manner during the insertion, and that the total angle of rotation of the needle, or whether it was rotated only in a single direction, or back and forth, did not matter that much. I found that it was very easy for me to determine intuitively how much to rotate the needle from the reaction of the patient. More particularly, if I did not rotate the needle enough to prevent it from bending, the patient became uncomfortable as indicated by his body language and other indicia, including verbal communication from the patient. Because of this immediate voluntary or involuntary feedback from the patient, it was very easy to adjust the procedure to each patient as required.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 9/7/05 Adam S. Lendeman, DPM, PhD

Adam S. Landsman, DPM, PhD.



Adam Landsman
9/7/05

ADAM S. LANDSMAN, DPM, PhD

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Weil Foot and Ankle Institute
1455 Golf Road, #110
Des Plaines, IL 60016

(847) 390-7666 Office
(847) 390-9345 FAX
asl@weil4feet.com

EDUCATION

1984 - 1992: **University of Pennsylvania**

PhD in Bioengineering, August, 1992.

Dissertation: *Age-Dependent Response of Endothelial Cells to Mechanical Deformation*

Advisor: Lawrence E. Thibault, D.Sc.

Ph.D. Committee: Vincent J. Cristofalo, Ph.D.
Edward J. Macarak, Ph.D.
Solomon R. Pollock, Ph.D.
Shiro Takashima, Ph.D.

1984 - 1990: **Temple University, School of Podiatric Medicine (Formerly Pennsylvania College of Podiatric Medicine)**
DPM degree in June, 1990.

1984 - 1987: **University of Pennsylvania - Department of Bioengineering**

MS in Bioengineering, December, 1987.

Research: *Design of a new bone hardness measuring device for in situ use*

Advisor: Jonathan Black, Ph.D.

1979 - 1984: **University of Virginia - Department of Chemical Engineering**

BS in Chemical Engineering, June, 1984. Minor in **English Literature**.

Research: *An assessment of bone growth into porous implants under the effects of electrical stimulation.*

Advisor: Steven Reger, Ph.D.

1982: **Cambridge University, St. Catherine's College (Cambridge, England)**
Studied **English Literature** as an exchange student.

POST-GRADUATE EDUCATION AND TRAINING

1992-1994: **Residency in Podiatric Surgery and Medicine**

HealthSouth Larkin Hospital, South Miami, FL

PSR-24 approved

Director: Keith B. Kashuk, DPM, FACFAS

2002: **Canniesburn Practical Course on the Use of Flaps in Reconstructive Plastic Surgery**

Glasgow, Scotland

Director: David Soutar, MD

1993: **Gillis W. Long Hansen's Disease Center**

(a division of the National Institutes of Public Health) Carville, LA

Advanced training in management of wounds associated with the insensitive foot.

1994: **AO/ASIF Trauma and Fracture Fellowship**

Unfallchirurgische Abteilung, Städtisches Klinikum, Karlsruhe, Germany

Director: Prof. Dr. med. U. Pfister

Advanced training in fracture stabilization and management

1994: **AO/ASIF Basic Resident's Course**

Los Angeles, CA January 18-24, 1994.

Advanced training in methods of internal fixation.

EMPLOYMENT EXPERIENCE

Private Practice

Current: Partner - **Weil Foot and Ankle Institute**
(Since '95) 1455 Golf Road, Des Plaines, IL 60016
(847) 390-7666

1997-2000: **Faculty Footcare Associates, Ltd.**
550 W. Webster Avenue
Chicago, IL 60614
(773) 880-9144

University Appointments

Current: **Northwestern University School of Medicine**
(since '99) Instructor of Clinical Dermatology

Current: **Dr. William M. Scholl College of Podiatric Medicine at Rosalind Franklin University of Medicine and Science,**
Adjunct Clinical Associate Professor

1994-present **Dr. Wm. M. Scholl College of Podiatric Medicine at Finch University,**
Chicago, IL
Director of Research (1994-2002)
Professor of Medicine & Surgery (1994-2002)
Adjunct Clinical Professor of Surgery (2004)

1992 - 1994: **University of Miami, Coral Gables, FL**
Adjunct Assistant Professor
Department of Biomedical Engineering

1993 - 1994: **Barry University, Miami Shores, FL**
Adjunct Clinical Faculty; School of Podiatric Medicine

COURSES TAUGHT

Introduction to Podiatric Medicine (16-20 hours annually)
This course includes sections on Research Methodology and Diabetic Foot Care

Introduction to Podiatric Surgery (16-22 hours annually)
This course includes sections on Internal Fixation, Plastic Surgery Techniques, Properties of Suture Materials, Suturing Techniques, Bone Healing, Tendon Healing, and Wound Management

Podiatric Surgery Dissection Lab (20 hours annually)
Hands on instruction for creating incisions, suturing, biopsies, and minor procedures

Surgery Workshops (18 hours annually)
Small group teaching on techniques of Total Contact Cast application, and internal fixation with plates, screws, pins, and wires

COLLEGE and HOSPITAL COMMITTEES

Scholl College of Podiatric Medicine

Institutional Animal Care and Use Committee - Chair

Institutional Review Board

Research Committee

Swanson Independent Scholar Committee

Illinois Masonic Medical Center

Research Committee

NATIONAL COMMITTEES

American College of Foot and Ankle Surgeons

Elected to Board of Directors, 2003-2006

Research Committee - Chair

Outcomes Research Committee

Development Committee

Student Chapter Committee

Clinical Research Fellowship Grant Committee

CPG (Clinical Practices Guidelines) Committee

Surgical Skills Training Committee

American Diabetes Association

Foot Care Council

American Podiatric Medical Association

Research Grant Review Committee

Healthcare Management Guidelines Committee

- Developed Diabetic Foot Care Guidelines

Diabetes Advisory Committee

Illinois Podiatric Medical Association

Scientific Planning Committee

Research Committee

Journal of the American Podiatric Medical Association

Managerial Advisory Board

Journal of Foot and Ankle Surgery

Editorial Board

The Lower Extremity

Editorial Board

Podiatric Research Society – President and Founding Member

AWARDS and HONORS

- 2004: **Scholl Award**; Given for the Best Paper published in the Journal of the American Podiatric Medical Association, for the paper entitled, "Distally-based capsule-periosteal interposition arthroplasty for hallux rigidus; indications, operative technique, and short-term follow-up".
- 1999: First Prize, Best Abstract, "Cellular Flexibility, Cytoskeletal Disassembly, and Cytochelasin; A Cellular model for diabetic tissue injury", Presented at the 4th Annual Meeting of the **Podiatric Research Society**, Los Angeles, CA, February 19, 1999.
- 1998: **John E. Greene Award**; Presented by the **American Podiatric Medical Association** to the practitioner who has contributed the most to the field of Podiatric Medicine during their first ten years of Practice. \$100 Prize
- 1998: Third Prize, Best Abstract, "Combined Magnetic Field (CMF) Bone Growth Stimulator as an Adjunct in the Treatment of Charcot Neuroarthropathy", presented at the 56th Annual Meeting of the **American College of Foot and Ankle Surgeons**, Orlando, FL, February 11-15, 1998.
- 1998: **Milo Tumbo Award**; Outstanding Clinical Faculty Member, Scholl College of Podiatric Medicine, as selected by the graduating senior class members.
- 1997: **International Who's Who** of Professionals
- 1996: **American College of Foot and Ankle Surgeons, 1st Place Award; Best Scientific Abstract**, for paper entitled, "Thermal Osteonecrosis Associated with Small Bone Osteotomies", presented at the 53rd Annual Meeting of the American College of Foot and Ankle Surgeons, San Francisco, CA, March 1-4, 1995. \$750 prize
- 1995: Founding President, **Podiatric Research Society**
- 1995: **William J. Stickel Award - Gold Medal**; Outstanding Scientific Publication. Presented by the **Journal of the American Podiatric Medical Association**, for the paper entitled, High Strain Rate Tissue Deformation; A Theory on the Mechanical Etiology of Diabetic Foot Ulcerations. \$1500 prize.
- 1995: **American College of Foot and Ankle Surgeons, 1st Place Award; Individual Poster Competition**, for poster entitled, "Thermal Osteonecrosis Associated with Small Bone Osteotomies", presented at the 53rd Annual Meeting of the American College of Foot and Ankle Surgeons, San Francisco, CA, March 1-4, 1995. \$300 prize
- 1994: **Guest Editor, Clinics in Podiatric Medicine and Surgery**, issue on Biomaterials, to be published in July, 1995
- 1992: **American College of Foot and Ankle Surgeons, 1st Place Award; Outstanding Paper Published in 1992**, for paper entitled, "An Assessment of Oblique Base Wedge Osteotomy Stability in the First Metatarsal Using Different Modes of Internal Fixation" (J. Ft. Surg., v. 31, n.3, p.211-218). \$750 prize
- 1989: **Who's Who Among Students in American Universities and Colleges**
- 1989: **OUM Group Scholarship** Awarded for paper written on the "Future of Podiatric Medicine". \$600
- 1987-1990: **Fund for Podiatry Education Tuition Grant** awarded for post-graduate training to pursue a PhD in Bioengineering at the University of Pennsylvania, Philadelphia, PA. \$15,000 (over four years)
- 1989: **T. George Downs Award** A scholarship and aid award for excellence in academics and expertise in biomechanics. \$3250
- 1988: **T. George Downs Award** \$5000
- 1987: **T. George Downs Award** \$2500
- 1987: **American Podiatric Medical Writers Association** Paper competition Runner-Up

PUBLICATIONS

Peer Reviewed Papers

- Landsman, A.S., DeFronzo, D., Anderson, J., Roukis, T.S.;** A Scientific Assessment of "Over-the-Counter" Arch Supports to Determine their Effect on Pain, Balance, and Foot Deformities; *J. Amer. Podiatr. Med. Assoc.* (submitted for publication, 8/2005).
- Khalafi A., Landsman, A.S., Lautenschlager, E.P., Kelikian, A.S.;** Plantar forefoot pressure changes after second metatarsal neck osteotomy. *Foot Ankle Int.* 2005 Jul;26(7):550-5.
- Roukis, T.S., Patel, K.E., Landsman, A.S., Sloan, M.S., Petricca, D.** A simple technique for correcting dropfoot: suspension tenodesis of the tibialis anterior tendon to the distal tibia. *J. Amer. Podiatr. Med. Assoc.* 95(2): 154-156, 2005
- Roukis, T.S., Landsman, A.S., Weil Jr., L.S., Weil Sr., L.S.** Predicting articular erosion in hallux valgus: clinical, radiographic, and intra-operative analysis. *J. Foot Ankle Surg.* 44(1): 13-21, 2005
- Roukis, T.S., Landsman, A.S.** Reconstruction of the great toe ski-slope, sunken-nail deformity with a buried adipofascial flap. *J. Amer. Podiatr. Med. Assoc.* 94(6): , 2004
- Roukis, T.S., Landsman, A.S.** Salvage of the first ray in a diabetic patient with osteomyelitis using external fixation, antibiotic loaded bone cement, and delayed interpositional bone graft arthrodesis. *J. Amer. Podiatr. Med. Assoc.* 94(5): 492-498, 2004
- Roukis, T.S., Landsman, A.S.** Adipofasciocutaneous V-Y "hammock" flap coverage of soft-tissue defects of the dorsal forefoot and toes. *Plast. Reconstr. Surg.* 113(5):1519-1521, 2004
- Roukis, T.S., Landsman, A.S.,** A simple salvage technique for single-stage soft-tissue coverage of plantar first metatarsal head ulcerations and ablation of great toe osteomyelitis; *Plast. Reconstr. Surg.* 113(3):1098-1100, 2004.
- Roukis, T.S., Landsman, A.S., Leone, E.,** Toe reconstruction following a lawnmower injury using a distally-based adipofascial turn-over flap and distraction osteogenesis; *Plast. Reconstr. Surg.* 113(2):793-795, 2004.
- Landsman, A.S., Roukis, T.S.** Prophylactic surgical Charcot hindfoot and midfoot stabilization: the percutaneous triple arthrodesis. *J. Amer. Podiatr. Med. Assoc.* (Submitted April 2004)
- Roukis, T.S., Landsman, A.S. ;** Soft-tissue coverage of the diabetic foot with adipofascio cutaneous flaps: indications, operative technique, and post-operative management. *J. Amer. Podiatr. Med. Assoc.* (Submitted April 2004)
- Roukis, T.S., Landsman, A.S.,** Adipofasciocutaneous flap coverage of a fifth toe ciatrix following medicated pad treatment of a hard corn.; *Plast. Reconstr. Surg.* 113(2):789-791, 2004.
- Roukis, T.S., Landsman, A.S.,** Hypermobility of the first ray: a critical review of the literature. *J. Foot Ankle Surg.*, 42(6):377-390, 2003.
- Roukis, T.S., Landsman, A.S., Patel, K.E., Sloan, M., Petricca, D.;** "A Simple Technique for Correcting Dropfoot: Suspension Tenodesis of the Tibialis Anterior Tendon to the Distal Tibia", Submitted to Foot and Ankle International, 2003.
- Roukis, T.S., Landsman, A.S.;** "Use of the Medial Arch as a Donor Site for Split-Thickness Skin Grafts", Submitted, 2003.
- Roukis, T.S., Ringstrom, J.B., Landsman, A.S., Wuenschel, M., Kirschner, P.;** Distally-based capsule-periosteal interposition arthroplasty for hallux rigidus; indications, operative technique, and short-term follow-up. *J. Amer. Podiatric Med. Assoc.*; 93(5):349-366, 2003.
- Roukis, T.S., Landsman, A.S., Weinberg, S.A., Leone, E.;** Use of a hybrid "kickstand" external fixator for pressure relief following soft-tissue reconstruction of heel defects; *J. Foot Ankle Surg.*, 42(4):240-243, 2003.
- Roukis, T.S., Landsman, A.S.;** "Distally-based first dorsal metatarsal artery adipofasciocutaneous flap coverage of the first metatarsal head following great toe amputation", Submitted for publication, 2003.
- Roukis, T.S., Landsman, A.S.;** "The great toe fibular adipofasciocutaneous island flap for coverage of plantar first metatarsal head neuropathic ulcerations", submitted for publication, 2003.

- Roukis, T.S., Landsman, A.S.; Salvage of the first ray in a diabetic patient with osteomyelitis using external fixation, antibiotic loaded bone cement, and delayed interpositional bone graft arthrodesis. J. Amer. Podiatr. Med. Assoc. (Submitted November 2002; Accepted June 2003)
- Roukis, T.S., Patel, K.E., Landsman, A.S., Sloan, M.S., Petricca, D. A simple technique for correcting dropfoot: suspension tenodesis of the tibialis anterior tendon to the distal tibia. J. Amer. Podiatr. Med. Assoc. (Submitted February 2003, Accepted October 2003).
- Roukis, T.S., Landsman, A.S.; A simple modification of the great toe fibular flap for coverage of plantar neuropathic ulcerations. Foot Ankle Int. (Submitted May 2003)
- Roukis, T.S., Landsman, A.S.; Reconstruction of the great toe ski-slope, sunken-nail deformity with a buried adipofascial flap. J. Amer. Podiatr. Med. Assoc. (Submitted June 2003, Accepted October 2003)
- Roukis, T.S., Landsman, A.S., Weil Jr., L.S., Weil Sr., L.S. Predicting articular erosion in hallux valgus: clinical, radiographic, and intra-operative analysis. J. Foot Ankle Surg. (Submitted August 2003)
- Roukis, T.S., Landsman, A.S.; Adipofasciocutaneous V-Y "hammock" flap coverage of soft-tissue defects of the dorsal forefoot and toes. Plast. Reconstr. Surg. (Submitted August 2003; Accepted September 2003)
- Roukis, T.S., Landsman, A.S.; Distally-based first dorsal metatarsal artery adipofasciocutaneous flap coverage of the first metatarsal head following great toe amputation. J. Amer. Podiatr. Med. Assoc. (Submitted August 2003)
- Roukis, T.S., Landsman, A.S.; Combined percutaneous tendo-Achilles lengthening with anterior tibial tendon tenodesis for correction of forefoot and midfoot ulcerations in the diabetic foot. J. Amer. Podiatr. Med. Assoc. (Submitted April 2004)
- Landsman, A.S., DeFronzo, D., Hedman, J.; MacDonald, J.; "A new system for decreasing the level of injection pain associated with local anesthesia of a toe using a Computer controlled Delivery System", Journal of Foot and Ankle Surgery, submitted for publication, 2001.
- Silverstein, R.J., Landsman, A.S.; "The effects of a moderate and high dose of vitamin C on wound healing in a controlled guinea pig model, Journal of Foot and Ankle Surgery, 38(5):333-338, 1999
- Hanft, J., Landsman, A.S., Surprenant, M., Goggin, J.; "The Role of Combined Magnetic Field (CMF) Bone Growth Stimulator as an Adjunct in the Treatment of Neuroarthropathy/Charcot Joint, Diabetes, 47(Supplement 1):A392, 1998.
- Landsman, A.S., Chang, T.; "Are plastic bone models a reasonable approximation of cadaveric bone for mechanical testing of the first metatarsal?", Journal of Foot and Ankle Surgery, 37(2):122-127, 1998.
- Landsman, A.S., Sage, R.; "Off-loading neuropathic wounds associated with diabetes using an ankle-foot orthoses", Journal of the American Podiatric Medical Association, August, 1997.
- Brighton, C.T., Fisher, R.S., Levine, S.E., Corsetti, J.R., Reilly, T., Landsman, A.S., Williams, J.L., Thibault, L.E.; "The Biochemical Pathway Mediating the Proliferative Response of Bone Cells to a Mechanical Stimulus: A Beginning to an Understanding of Wolff's Law", Journal of Bone and Joint Surgery, 78-A(9):1337-1347, 1996.
- Landsman, A.S., Higgins, K.R., Lampe, N.; "Research Perspectives in First Metatarsal Osteotomy and Fixation Stability", Clinics in Podiatric Medicine and Surgery, 13(3):1-13, 1996.
- Werd, M.B., DeFronzo, D.J., Landsman, A.S., Surprenant, M., Sakoff, M.; "Myxoid Liposarcoma of the Ankle, Journal of Foot and Ankle Surgery, 34(5):465-474, 1995.
- Landsman, A.S., Meaney, D.F., Cargill, R.S., Macarak, E.J., Thibault, L.E.; "High Strain Rate Tissue Deformation; A Theory on the Mechanical Etiology of Diabetic Foot Ulcerations", Journal of the American Podiatric Medical Association, 85(10):519-527, October, 1995.
- Athanasίου, K.A., Niederauer, G.G., Agrawal, C.M., Landsman, A.S.; "Applications of Biodegradable Lactides and Glycolides in Podiatry", Clinics in Podiatric Medicine and Surgery, July, 1995.
- DeFronzo, D.J., Landsman, A.S., Ghareeb, J.A.; "Economic Implications of Implant Selection", Clinics in Podiatric Medicine and Surgery, July, 1995.
- Ashry, H.R., Landsman, A.S.; "Mechanical Testing of Materials and the Material/Tissue Interface", Clinics in Podiatric Medicine and Surgery, July, 1995.

- Werd, M.B., Mason, E.J., III, **Landsman, A.S.**, Hanft, J.R., Kashuk, K.B.; "Peripheral Skeletal Tuberculosis of the Foot; Etiologic Review and Case Study", Journal of the American Podiatric Medical Association, v. 84, n. 8, p.390-398, 1994.
- Baskin, L., Meaney, D., **Landsman, A.**, Zderic, S.A., Macarek, E.; "Bovine bladder compliance increases with normal fetal development", Journal of Urology, 152 (2 Pt 2), p. 692-5; discussion 696-7, 1994.
- Landsman, A.S.**, Hanft, J.R., Yoo, C., Ananthakrishnan, B., Kashuk, K.B.; "Stabilization of a Distal First Metatarsal Osteotomy with Absorbable Internal Fixation", The Lower Extremity, v.1, n.1, p. 37-46, 1994.
- Kashuk, K.B., **Landsman, A.S.**, Werd, M.B., Hanft, J.R., Roberts, M.; "Arthroscopic Lateral Ankle Stabilization", Clinics in Podiatric Medicine and Surgery, v. 11, n. 3, p. 407-423, 1994.
- Landsman, A.S.**, Roberts, M., Kashuk, K.B.; "A Percutaneous Approach for the treatment of Aneurysmal Bone Cysts", Journal of the Florida Podiatric Medical Association, p. 24-26, November, 1993.
- Hanft, J.R., Mason, E.J., **Landsman, A.S.**, Kashuk, K.B.; "A New Radiographic Classification for Hallux Limitus", Journal of Foot Surgery, v. 32, n.4, p.397-404, 1993.
- Landsman, A.S.**; Age-Dependent Response of Endothelial Cells to Mechanical Deformation, PhD Dissertation, University of Pennsylvania, Philadelphia, PA, 1992.
- Landsman, A.S.**, Vogler, H.; "An Assessment of Oblique Base Wedge Osteotomy Stability in the First Metatarsal Utilizing Different Modes of Internal Fixation", Journal of Foot Surgery, May/June, v.31, n.3, p.211-218, 1992.
- Thibault, L.E., **Landsman, A.S.**; "The Response of Aging Aortic Endothelium to Mechanical Stimulation in Cell Culture", ASME 1991 Biomechanics Symposium, AMD-v. 120, ed. R. L. Spilker, Friedman, M.H., p. 5-9, ASME Pub., NY, c. 1991.
- DeFronzo, D.J., Landsman, A.R., **Landsman, A.S.**, Stern, S.; "Austin Bunionectomy with 3M[®] Staplizer Fixation: An Assessment of 20 Cases" Journal of the American Podiatric Medical Association, v. 81, n. 3, p. 140-149, 1991.
- Landsman, A.R., Dorsch, T.A., **Landsman, A.S.**; "Reconstruction of Previously Failed Osteotomies for Hallux Abducto Valgus Deformity: A Mechanical Approach to Reconstruction" (abs.) Journal of Foot Surgery, v. 30, n.6, p. 609, 1991.

Published Book Chapters

- Floros, R., **Landsman, A.S.**, Petranto, R.D.; "Bone Healing and Impairment" in Medical and Surgical Therapeutics of the Foot and Ankle, D.E. Marcinko – editor, Williams & Wilkins Pub., Baltimore, MD, p.341-351, 1992.

Published Abstracts

- Nasca, M.R., Shih, A.t., West, D.P., Micali, G., **Landsman, A.S.**; The Effect of Intermittent Pressure on In Vitro Human keratinocytes, The Society for Investigative Dermatology, 1999.
- Landsman, A.S.**, Thibault, L.E., Meaney, D.F., Cargill, R.S. "A New System to Study Mechanical Deformation and the Resultant Calcium Transients in Endothelial Cells"; 1992 Advances in Bioengineering, v. 22, ed. M.W. Bidez, ASME Pub., NY, p. 9-13., c. 1992
- Landsman, A.S.**, Vogler, H.; "Oblique Osteotomy Stability under Differing Fixation Modes for Hallux Valgus Reduction" (abs.) Journal of Foot Surgery, v. 29, n. 5, p.526, 1990.

Publications in Clinical Compendia

- Landsman, A.S.**; Published Critique; "Risk Factors for Lower Limb Complications in Diabetic Patients", Foot and Ankle Quarterly 11(3), 1998
- Kashuk, K.B., Hanft, J.R., Mason, E.J., **Landsman, A.S.**; "Rehabilitation of the Charcot Foot"; Podiatry Tracts, Data Trace Medical Pub., Brooklandville, MD, v. 6, n. 2, 1993.

Non-Peer Reviewed Publications

Landsman, A.S.; "Treatment of Diabetic Foot Ulcerations Through Management of Mechanical Forces", Podiatric Products, p. 70-73, Nov./Dec., 1996, Reprinted in Podiatric Products, p. 50-53, May/June, 1997.

Landsman, A.S.; "Diabetes and You; Staying in Step", Better Homes and Gardens; Diabetic Recipes, p. 14, June 3, 2003.

RESEARCH GRANTS AWARDED

- 2005 **Cytomedix;** (Co-Investigator); A Prospective, Randomized, Controlled, Blinded, Multi-Center Pivotal Trial of AutoloGel™ versus Control when Added to the Standard of Care in the Treatment of Non-healing Diabetic Foot Ulcers.
- 2005 **Arthrocare, Corp;** (Co-Investigator); Plantar Fasciosis Treatment using Coblation®: Prospective, Double-Blind, Controlled Study.
- 2005 **ApoPharma, Inc.;** (Principal Investigator); Pivotal Study to Evaluate the Efficacy and Safety of Dermal-Living Skin Replacement [Dermal-LSR] in the Treatment of Chronic Diabetic Foot Ulcers.
- 2004 **GlaxoSmithKline;** (Principal Investigator); Two Identical Double-Blinded, Double-Dummy, Multicenter, Comparative Phase III Studies of the Safety and Efficacy of Topical 1% SB-275833, Applied Twice Daily, versus Oral Cephalexin, 500 mg in Adults, or 12.5 mg/kg (250 mg/5 ml) in Children, Twice Daily, in the Treatment of Uncomplicated Secondarily Infected Traumatic Lesions.
- 2003 **HealthPoint®, Ltd.;** (Principal Investigator and **Study Author**); Comparison of Oasis® Wound Matrix and Dermagraft™ [Smith + Nephew Wound Care Division] for the Treatment of Diabetic Foot Ulcers. (Highest Enrolling Site)
- 2003 **Encelle™, Inc.;** (Principal Investigator); A Controlled, Randomized Pilot Study to Assess E-Matrix™ for the Treatment of Diabetic Foot Ulcers.
- 2002 **Novartis;** (Principal Investigator); A Randomized, Open Label, Multicenter Trial to Investigate the Efficacy and Safety of 12 Week Oral Terbinafine (250 mg q.d.) with or without Nail Debridement in the Treatment of Onychomycosis.
- 2002 **Dermacore;** (Principal Investigator) A Double-Blinded, Placebo-Controlled, Phase II Randomized Study to Assess, in Combination with High Compression Therapy, the Safety and Potential Efficacy of Homologous Human Plasma Fibronectin Applied Topically in a Calcium-Alginate Sponge-like Disk (Dermalink-Delivery System™) Compared to a Calcium-Alginate Sponge-like Disk without Fibronectin (the Placebo), in the treatment of Chronic Venous Ulcers of the Lower Limb
- 2001: **Pharmacia/Kendal;** (Principal Investigator); Linezolid IV or PO compared to Unasyn IV or Augmentin PO for the Treatment of Patients with Diabetic Foot Infections – A Randomized, Open-label, Phase IV Clinical Trial; highest enrolling site in study
- 2000: **Milestone Scientific;** (Principal Investigator) A multi-center study to test the efficacy of CCLADS for reducing injection pain, as compared to traditional injection methods; a double-blinded, randomized, parallel group study; Highest enrolling site in study
- 2000: **Pfizer Pharmaceuticals;** (Co-Investigator and Study Supervisor); A pilot study to determine the feasibility of measuring bone healing rates with CT and Radiographs following bunionectomies with osteotomies
- 2000: **UCB Pharma/ICON;** Protocol # G01002; A multi-center, double-blinded randomized, parallel group, two-period study to evaluate the efficacy and safety of oral doses of an extended release combination of hydrocone 15 mg & acetaminophen 1000 mg (Lortab XR), extended release hydrocodone 15 mg tablets, extended release acetaminophen 1000 mg tablets, and placebo in the treatment of moderate to severe pain in subjects undergoing orthopedic surgery; (Principal Investigator)
- 2000: **Human Genome Sciences/NCGS;** (Principal Investigator); Protocol #KGF-2-WHO4; A randomized, double-blinded, parallel-group, placebo-controlled, multicenter study to evaluate the efficacy and safety of study drug in subjects with venous ulcers
- 1999: **Quintiles BRI / Pfizer Pharmaceuticals;** (Principal Investigator); Protocol R-0523; A Clinical Trial to Evaluate the Efficacy of Trovofloxacin
- 1998: **Norland Industries;** (Principal Investigator); Establishment of Normal Bone Densities using a dry calcaneous measurement system.

- 1998: **Advanced Tissue Sciences / Smith+Nephew Pharmaceuticals**; (Co-Investigator and Study Director); An Evaluation of the use of Dermagraft Bioengineered Skin Graft Material for the treatment of Foot Ulcers in Subjects with Diabetes.
- 1997: **Western Pennsylvania Hospital, Pittsburgh, PA**; (Principal Investigator); Evaluation of Tensile strength of Tendo Achilles repair using the modified Lindholm procedure as compared to a Fascia Lata Reinforced Construct.
- 1997: **Bionx Implants, Inc., Philadelphia, PA**; (Principal Investigator); Evaluation of push-out strength in absorbable fixation as compared to steel fixation.
- 1997: **Komet Medical, Savannah, GA**; (Principal Investigator); Heat generated during osteotomies under controlled conditions.
- 1996: **Washington Square Health Foundation, Inc., Chicago, IL**; (Consulting Investigator) Classification and Treatment Protocols for Gunshot Wounds of the Foot.
- 1996: **Washington Square Health Foundation, Inc., Chicago, IL**; (Consulting Investigator) Nonclostridial Gas Gangrene Presentations in the Foot.
- 1996: **American Podiatric Medical Association, Bethesda, MD**; (Principal Investigator) Comparison of Total Contact Casts with Ankle-Foot Orthoses for the Treatment of Foot Ulcerations in Patients with Diabetes
- 1995: **Brown Group, Inc., St. Louis, MO**; (Principal Investigator); Clinical Testing of DSIS Device; A Randomized, Double-Blinded Study
- 1995: **Washington Square Health Foundation, Inc., Chicago, IL**; (Principal Investigator) Servo-Hydraulic Tensiometer, Establishment of a Mechanical Testing Facility at Scholl College of Podiatric Medicine.
- 1995: **Dr. W.C. Swanson Family Foundation, Salt Lake City, UT**; (Principal Investigator) Matching Challenge Grant for the Development of a Podiatric Research Program
- 1995: **American College of Foot and Ankle Surgeons, Des Plaines, IL**; (Principal Investigator); Evaluation of a Dynamic Passive Motion Device as a Post-operative Treatment Modality.
- 1994-95: **Dow-Corning, Inc., Auburn, MI**; (Consulting Investigator); Study of Podiatric Patients with Silicone Elastomer Implants of the First Metatarsophalangeal Joint.
- 1994: **National Science Foundation, Arlington, VA**; (Principal Investigator); grant #BES9413-921; Development of a Dynamic Cell Culture / Fluorescent Microscopy Research Instrument.
- 1993-94: **Johnson & Johnson, NJ**; (Principal Investigator); A laboratory based comparison of absorbable internal pin fixation to similarly sized steel pins; a Mechanical assessment.
- 1992-93: **Zimmer, Inc., Warsaw, IN**; (Principal Investigator); project # 82300292; Equipment awarded to study internal fixation in the foot.
- 1989-90: **American Podiatric Medical Association Research Grant** (Principal Investigator) from the Fund for Podiatry Education and Research to fund a study of base wedge osteotomy stability using various modes of internal fixation.

SEMINARS AND PRESENTATIONS

- "Equinus; A Mechanical and Surgical Approach to Limiting it's Destructive Force". 4th International Symposium on the Diabetic Foot, Noorwijkerhout, the Netherlands, May 22, 2003.
- "Stasis Ulcers; Diagnosis and Methods of Wound Treatment"; American Podiatric Medical Association, National Meeting, Chicago, IL August, 2001.
- "The role of the Podiatric Physician in Diabetic Foot Care"; American Podiatric Medical Association, National Meeting, Chicago, IL August, 2001.
- "The use of CCLADS (Computer Controlled Local Anesthetic Delivery System) for achieving anesthesia of the great toe"; American Podiatric Medical Association, National Meeting, Chicago, IL August, 2001.
- "Building the Non-Surgical side of the Practice; Podiatric Biomechanics & Diabetic Care – Alive and Well"; Surgery to Coding Seminar; Orthopedic Learning Center, Rosemont, IL September, 2001.

- "Conservative Management of Diabetic Foot and Ankle Complications"; American College of Foot and Ankle Surgeons, National Meeting, New Orleans, LA, February, 2001.
- "Fast Track to Publication; What makes a good manuscript?"; American College of Foot and Ankle Surgeons, National Meeting, Miami, FL, February, 2000.
- "Magnetic Therapy; Fact or Fiction", American College of Foot and Ankle Orthopedics and Medicine, National Meeting, Miami, FL, February, 2000.
- "The effect of temperature change associated with sympathetic neuropathy on the development of Charcot Neuroarthropathy", American College of Foot and Ankle Surgeons, National Meeting, Miami, FL, February, 2000.
- "The effect of intermittent pressure on *in vivo* human keratinocytes", Podiatric Research Society, National Meeting, Miami, FL, February 12, 2000.
- "Advances in wound care, and the use of Regranex", Invited Lecture, Janssen-Cilag, Inc., Frankfurt, Germany, December, 1999.
- Differentiating between Charcot Neuroarthropathy and Osteomyelitis in patients with diabetes; Grand Rounds, Dept. of Endocrinology, University of Illinois School of Medicine, Chicago, IL, November, 1999.
- Selecting the proper dressing for diabetic foot ulcers; Resident's Rounds, Dept. of Dermatology, Northwestern University, Chicago, IL, September, 1999.
- Techniques for off-loading diabetic foot ulcerations; Resident's Rounds, Dept. of Dermatology, Northwestern University, Chicago, IL, September, 1999.
- Advances in the treatment of diabetic foot ulcers; Grand Rounds, , Dept. of Dermatology, Northwestern University, Chicago, IL, 1999.
- "Changing Approaches to Diabetic Foot Ulcerations in America", United States Public Health Association, National Meeting, Chicago, IL, November, 1999.
- "Cellular Flexibility, Cytoskeletal Disassembly, and Cytochelin; A Cellular model for diabetic tissue injury", Podiatric Research Society, Los Angeles, CA, February 19, 1999.
- "A Scientific Comparison of the Holding Power of Bionx Absorbable Screws to Similarly Sized Synthes Steel Screws", American College of Foot and Ankle Surgeons, 57th Annual Meeting, Los Angeles, CA, February 19, 1999.
- "Off-Loading of Ulcers with Aperature Pads; Does This Really Limit Cutaneous Blood Flow?", American College of Foot and Ankle Orthopedics and Medicine, National Meeting, Los Angeles, CA, February 18, 1999.
- "Use of a New Ankle-Foot Orthoses (AFO) and Liner for the Managment of Diabetic Foot Ulcers", American College of Foot and Ankle Orthopedics and Medicine, National Meeting, Los Angeles, CA, February 18, 1999.
- "The Effects of a Normal and High Dose of Vitamin C on Wound Healing in a Controlled Animal Study", American College of Foot and Ankle Surgeons, 57th Annual Meeting, Los Angeles, CA, February 16, 1999.
- "Advances in the Management of Diabetic Foot Ulcerations", Guest Lecturer, Wisconsin Podiatric Medical Association, Milwaukee, WI, December 5, 1998.
- "Hyperglycemia Alters the Biochemical Response of Human Fibroblasts to Mechanical Deformation at the Cellular Level", American Diabetes Association, National Scientific Meeting, Presidential Poster Session, and Abstract Presentation, Chicago, IL, 1998
- "Combined Magnetic Field (CMF) Bone Growth Stimulator as an Adjunct in the Treatment of Charcot Neuroarthropathy", 56th Annual Meeting of the American College of Foot and Ankle Surgeons, Orlando, FL, February 11-15, 1998.
- "Ankle-Foot Orthoses for the Management of Foot Ulcerations in Patients with Diabetes", 56th Annual Meeting of the American College of Foot and Ankle Surgeons, Orlando, FL, February 11-15, 1998.
- "Modification of plastic bone models to resemble the mechanical properties of cadaveric bone for mechanical testing of the first metatarsal", 3rd Annual Meeting of the Podiatric Research Society, Orlando, FL, February 13, 1998.
- "Integrating New Approaches in the Treatment of Diabetic Foot Ulcers", Lecture sponsored by the Thomas Beam Memorial Foundation. Presented in Jacksonville, FL, February 3, 1998, and in Philadelphia, PA, February 19, 1998.

"Is reinforcement of Achilles Tendon Ruptures with a Tensor Fascia Lata graft beneficial?", 56th Annual Meeting of the American College of Foot and Ankle Surgeons, Orlando, FL, February 11-15, 1998.

"Principles of Internal Fixation for Forefoot Surgery", Alabama Podiatric Medical Association, Annual Meeting, Birmingham, AL, January 17, 1998

"Current Research in the Management of Diabetic Foot Ulcerations", Alabama Podiatric Medical Association, Annual Meeting, Birmingham, AL, January 17, 1998

"Cellular Injury and Wound Healing in Patients with Diabetes", Northwestern University, Department of Dermatology, Chicago, IL, December 11, 1997.

"Quantitative Assessment of In-Shoe Pressure Distribution for the Evaluation of Reflexology Insole"; ABC News 20/20, September, 1997

"Podiatric Research; Clinical Applications and Methodology"; Western Pennsylvania Hospital Lecturer Series, Pittsburgh, PA, August, 1997

"Ankle-Foot Orthoses; A Novel alternative to Total Contacting Casting"; Advances in Diabetic Foot Care, South Miami Hospital, South Miami, FL, June 14, 1997

Research Methodology Instructional Course; Course coordinator and principal instructor, presented at 55th Annual meeting of the American College of Foot and Ankle Surgeons, Palm Springs, CA, February 6, 1997.

"Quasi-dynamic visualization of sesamoid position and tracking utilizing ultrasonic examination", presented at the 2nd Annual meeting of the Podiatric Research Society, Palm Springs, CA, February 4, 1997.

"Absorbable Fixation Devices", presented at the 19th Annual IPMSA Mid-Winter Seminar, Current Concepts in Podiatric Medicine and Surgery, January 25, 1997, Chicago, IL.

"Mechanical Aspects of Wound Care", presented at the 19th Annual IPMSA Mid-Winter Seminar, Current Concepts in Podiatric Medicine and Surgery, January 24, 1997, Chicago, IL.

"Internal Fixation", invited lecture, Kineticos Medical Inc. Sales Training Meeting, Atlanta, GA, December 8, 1996.

"Gait Dysfunction and it's Relationship to Charcot Joint", presented at the 7th Annual Loyola University Seminar on Disorders of the Foot, Oak Park, IL, October 30, 1996.

"The Ilizarov Technique", presented at the Illinois Podiatric Medical Association, Annual Meeting, Galena, IL, September 26-29, 1996.

"Measurement and Comparison of Fixation Stability; Comparisons of Various Osteotomy Fixation Techniques", presented at the Illinois Podiatric Medical Association, Annual Meeting, Galena, IL, September 26-29, 1996.

"Use of Ankle Foot Orthoses (AFO) for the treatment of foot ulcerations in diabetics", presented at the Scholl College Second Annual Sports Medicine and Reconstructive Foot Surgery Conference, Alberta, Canada, August 10-13, 1996.

"Bunion Surgery and Mechanical Stability of Osteotomies", presented at the Scholl College Second Annual Sports Medicine and Reconstructive Foot Surgery Conference, Alberta, Canada, August 10-13, 1996.

"High Strain Rate Tissue Deformation and its Role in Formation and Treatment of Foot Ulcerations in Patients with Diabetes", presented at the American Diabetes Association Scientific Conference, San Francisco, CA, June 8, 1996.

"The Regnauld Procedure", invited lecture presented at the Midwest Podiatry Conference, Chicago, IL April 20, 1996.

"Principles of Osteosynthesis", invited lecture presented at the Midwest Podiatry Conference, Board Review Course, Chicago, IL, April 18, 1996.

"Thermal Osteonecrosis Associated with Small Bone Osteotomies Commonly used in Foot Surgery", invited lecture presented at the Illinois Masonic Medical Center Research Seminar, Chicago, IL, April 11, 1996.

"High Strain Rate Deformation may play a role in the Formation of Ulcerations in Patients with Diabetes Mellitus", presented at the Podiatric Research Society, National Meeting, New Orleans, LA, March 22, 1996.

"Cellular Basis for Tissue and Wound Healing", invited lecture presented at the IPMSA Mid-Winter Seminar; Modern Advancements in Podiatric Medicine, Chicago, IL, January 26, 1996.

- "Hallux Limitus/Rigidus; Surgical Treatment of the Proximal Phalanx", invited lecture presented at Sports Medicine and Reconstructive Foot Surgery Conference, Martha's Vinyard, MA, August 21-23, 1995.
- "Quantification of Controlled Cellular Deformation, and the Resultant Mechanotransductive Response", invited lecture presented at Rush-Presbyterian-St. Luke's Medical Center, Chicago, IL, April 26, 1995.
- "Changes in Intracellular Calcium Concentration in Young and Senescent Endothelial Cells injured with Dynamic Mechanical Loads", presented at the Federation of American Societies for Experimental Biology (FASEB), Atlanta, GA, April 9-13, 1995.
- "Principles of Osteosynthesis", presented at the Midwest Podiatry Conference, Chicago, IL, April 7, 1995.
- "Thermal Osteonecrosis Associated with Small Bone Osteotomies", presented at the 53rd Annual Meeting of the American College of Foot and Ankle Surgeons, San Francisco, CA, 1995.
- Absorbable Fixation Devices", presented at the IPMSA Mid-Winter Seminar; Modern Advancements in Podiatric Medicine, Chicago, IL, January 14, 1995.
- "Diabetic Foot Ulcerations", presented at the IPMSA Mid-Winter Seminar; Modern Advancements in Podiatric Medicine, Chicago, IL, January 13, 1995.
- "Diabetic Foot Ulcerations: A Possible Cellular Mechanism", presented at the Scholl College of Podiatric Medicine, Research Seminar Series, Chicago, IL, November 18, 1994.
- "Basic Theory and Surgical Implications of Microsurgery in the Lower Extremity", presented at the Barry University School of Podiatric Medicine Microsurgical Applications in the Lower Extremity Conference, Miami, FL, April 22-24, 1994.
- "Pharmaceuticals Used in Microvascular Surgery", presented at the Barry University School of Podiatric Medicine Microsurgical Applications in the Lower Extremity Conference, Miami, FL, April 22-24, 1994.
- "Surgical Reconstruction of the Rheumatoid Foot", presented at the 5th Annual AGNES Seminar, Barry University, Miami Shores, FL, February 25, 1994.
- Co-director of Research Methodology Seminar, with Dr. L. Lavery, presented at the 52nd Annual Meeting of the American College of Foot and Ankle Surgeons, Miami Beach, FL, February 2-5, 1994.
- "A Comparison of Mechanical Performance of Absorbable Fixation Devices to Steel Wire in Clinically Relevant Modes", presented at the 52nd Annual Meeting of the American College of Foot and Ankle Surgeons, Miami Beach, FL, February 2-5, 1994.
- "Generation of Heat and Thermal Osteonecrosis in Osteotomized Bone", presented at the 52nd Annual Meeting of the American College of Foot and Ankle Surgeons, Miami Beach, FL, February 2-5, 1994.
- "An Objective Assessment of the Stabilization Attained with Absorbable Fixation for Distal First Metatarsal Osteotomies", presented at the 52nd Annual Meeting of the American College of Foot and Ankle Surgeons, Miami Beach, FL, February 2-5, 1994.
- "Podiatric Medicine and Research; How to Get Started" presented at the Scholl College of Podiatric Medicine, Distinguished Lecturer Series, Chicago, IL, November 19, 1993.
- "Stabilization of First Metatarsal Osteotomies Using Absorbable Fixation . . . A Scientific Investigation" presented at the Hershey Seminar on Podiatric Medicine and Surgery, November, Hershey, PA, November 11-14, 1993.
- "Age-dependent Changes in the Mechanical Properties of the Bovine Bladder", presented at the Proceedings of the American Urology Association, San Antonio, TX, February, 1993.
- "Bone Cell Proliferation and Intracellular Ionized Calcium Flux in Response to Cyclical Hydrostatic Pressure" presented at the Annual Meeting of the *Orthopaedic Research Society*, San Francisco, CA, February, 1993.
- "Relative Strengths of Internal Fixation of the First Metatarsal" presented at the 51st Annual Meeting of the American College of Foot Surgeons, San Diego, CA, February 10-13, 1993.
- "A Retrospective Study of the Cartilage Rotational Osteotomy for the Treatment of Freiberg's Disease" presented at the 51st Annual Meeting of the American College of Foot Surgeons, San Diego, CA, February 10-13, 1993.
- "Oblique Metaphyseal Osteotomy for the Correction of Tailor's Bunion: A Multi-Center Study" presented at the 51st Annual Meeting of the American College of Foot Surgeons, San Diego, CA, February 10-13, 1993.
- "A Comprehensive Study of the Correlation Between Radiographic and Surgical Sesamoid Positions" presented at the 51st Annual Meeting of the American College of Foot Surgeons, San Diego, CA, February 10-13, 1993.

"Rationale and Technique of the "Inverted" Scarf Bunionectomy" presented at the 51st Annual Meeting of the American College of Foot Surgeons, San Diego, CA, February 10-13, 1993.

"A New System to Study Mechanical Deformation and the Resultant Calcium Transients in Endothelial Cells" presented at the ASME Winter Annual Meeting, Anaheim, CA, November 9, 1992.

"The Response of Aging Aortic Endothelium to Mechanical Stimulation in Cell Culture" presented at the ASME Applied Mechanics and Biomechanics Conference, Special Session on Cellular Biomechanics, The Ohio State University, Columbus, OH, June 16-19, 1991.

"A Retrospective Study with Mechanical Testing of the Offset-V" presented at the 49th Annual Meeting of the American College of Foot Surgeons, San Francisco, CA, February 13-17, 1991.

"Revision of Previously Failed Osteotomies for Hallux Abducto Valgus Deformity" presented at the 49th Annual Meeting of the American College of Foot Surgeons, San Francisco, CA, February 13-17, 1991.

"Stapliizer Staple Fixation for Austin and Reverdin Bunionectomies", presented at the 49th Annual Meeting of the American College of Foot Surgeons, San Francisco, CA, February 13-17, 1991.

"Oblique Osteotomy Stability under Differing Fixation Modes For Hallux Valgus Reduction" presented at the 48th Annual Meeting of the American College of Foot Surgeons, New Orleans, LA, February 16, 1990.

"Stability Testing of the Modified Juvara Osteotomy for Hallux Valgus Reduction: An Engineering Analysis with a New Testing Model" presented at the 48th Annual Meeting of the American College of Foot Surgeons, New Orleans, LA, February 16, 1990.

"An Engineering Approach to Oblique Wedge Osteotomies" presented at Pennsylvania College of Podiatric Medicine; Sponsored by the Institutional Research Board, January 31, 1989.

BOARD CERTIFIED - American Board of Podiatric Surgery
Certificate #5266 (Issued August, 1999)

LICENSES HELD

Florida	PO 0002395	exp. 12/31/2006
Illinois	016-004718	exp. 1/31/2005
Pennsylvania	SC 003570	(inactive)

PROFESSIONAL CONSULTING

Clinical Science Corporation
President
9933 Lawler Ave.
Skokie, IL 60077

Southern Biomedical Research Institute, Inc.
Vice President and Research Chairman
875 S. Alhambra Circle
Coral Gables, FL 33146

ACTIVITIES

- Member - American Society of Mechanical Engineers (ASME)
Participant in the Biomedical Engineering sub-group
- Member - American College of Foot and Ankle Surgery
- Member - American Podiatric Medical Association
- Member - Illinois Podiatric Medical Association
- Member - American Diabetes Association, Professional Section
- Member - Podiatric Research Society
- Boston Marathon Medical Support Group (1989)
- PCPM Senior Class Judiciary Committee Representative (1989-1990)
- Oarsman - Undine Barge Club, Philadelphia, PA (1985-Present)
- I also enjoy Bicycling and Sailing

PERSONAL INFORMATION

Date of Birth: September 30, 1961

Married to Donna-Jean DeFronzo, DPM -- two children

Resident of Chicago, IL

RESEARCH INTERESTS

My primary interests involve the following areas:

- a. diabetic wound healing
- b. age-dependent and diabetic cellular and macroscopic responses to mechanical forces
- c. mechanical testing of implantable and physiologic materials,
- d. tissue response to mechanical forces from the cellular level to the macroscopic level
- e. optimization of foot and ankle surgical procedures
- f. arthroscopic and micro-instrumentation for surgical intervention
- g. tissue-engineered and synthetic cartilage grafting
- h. mechanotransduction of bone and cartilage tissues

Copies of publications are available upon request.